

A B S T R A C T

A SYSTEM FOR ASSISTING THE REGENERATION OF DEPOLUTION
MEANS INTEGRATED IN AN EXHAUST LINE OF A DIESEL-ENGINE
5 VEHICLE

This system in which the depollution means (1) are associated with oxidation catalyst-forming means (2), and the engine (4) is associated with common manifold means (7) for feeding fuel and adapted to implement a regeneration strategy using at least one post-injection of fuel into the cylinders, is characterized in that it includes means (8) for detecting a regeneration request (req.RG), means (9) for detecting when the engine is idling, means (11) for acquiring the temperature downstream from the catalyst-forming means, means (8) for determining, on the basis of said temperature, a maximum quantity of fuel to be injected when post-injections take place while the engine is idling on the basis of said temperature, and means (7, 8) for progressively reducing post-injection as soon as the quantity of fuel injected has reached the maximum quantity.

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35 Translation of the title and the abstract as published by the PCT Authorities, possibly after making changes, ex officio, e.g. under PCT Rules 37.2, 38.2, and/or 48.3.